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Amendments to the Claims:

This listing of claims will replace all prior version, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) Method for controlling an organic light-emitting diode display, said display comprising a plurality of organic light-emitting diodes having an anode and a cathode, said organic light emitting diodes being arranged in a common anode configuration, ~~whereby said diodes co-operate with constant current sources and are fed by means of a power supply,~~ whereby a current source is arranged between each individual cathode of the organic light-emitting diodes and ground and the anodes of the organic light-emitting diodes are electrically connected in common to a positive power supply characterized in that a power voltage supply compensation is applied, in which a voltage drop is measured across the current sources and wherein the measured voltage drop is used as an indicator for the light output of the organic light emitting diodes and wherein said power supply is adjusted in function of said measured voltage drop.

2. (Original) Method according to claim 1, characterized in that said power supply is adjusted such that the voltage at the cathode of each organic light emitting diode is greater than or equal to a predetermined threshold voltage.

3. (Original) Method according to claim 1 or 2, characterized in that this method, in particular said power compensation, is performed periodically.

4. (Original) Method according to claim 1, characterized in that in order to measure the voltage drop, the organic light-emitting diodes are activated in a predetermined sequence.

5. (Original) Method according to claim 1, characterized in that the voltage drop is measured via analog-to-digital converters.

6. (Original) Method according to claim 1, characterized in that at least a number of the measured values of voltage or voltage drop are stored in a storage device for interrogation.

7. (Original) Method according to claim 1, characterized in that one or more of the current sources each co-operate with a plurality of said organic light-emitting diodes, whereby the voltage drop across such current source is measured for each of the diodes coupled to the corresponding current source by sequentially actuating these diodes.

8. (Original) Method according to claim 1, characterized in that the organic light-emitting diodes of the display are divided in groups, each group having its own power supply regulation, whereby the abovesaid measurement is carried out per group and the worst case value of the measurement is used for controlling the power supply of said group.

9. (Original) Method according to claim 8, characterized in that it is used in a large-screen application, said screen being composed of a plurality of display tiles, whereby said control is applied at least individually for each of the tiles.

10. (Original) Method according to claim 9, characterized in that each of said tiles is composed of a plurality of modules and in that control is applied individually for each of the modules.

11. (Original) Method according to claim 10, characterized in that a limit control is applied, whereby, when a present value of maximum power of the display or for a module disspation is obtained for a portion in particular for a tile, said method of controlling is interrupted.

12. (Cancelled)

13. (New) An organic light-emtting diode display comprising:

a variable power supply including a voltage regulator, wherein the voltage regulator is operable to adjust the power supply as a function of the measured voltage drop;

a plurality of organic light-emitting diodes having an anode and a cathode, the organic light emitting diodes being arranged in a common anode configuration, wherein the anodes of the organic light-emitting diodes are electrically connected in common to the power supply;

a plurality of constant current sources arranged between each individual cathode of the organic light-emitting diodes and the ground; and

a circuit for measuring a voltage drop across the current sources, wherein the measured voltage drop is used as an indicator for the light output of the organic light emitting diodes.